



HEAT RELATED EMERGENCIES

I. FIELD ASSESSMENT/TREATMENT INDICATORS

MINOR HEAT ILLNESS SYNDROMES

- Environmental conditions.
- Increased skin temperature.
- Increased body temperature.
- General weakness.
- Muscle cramps.

HEAT EXHAUSTION (Compensated)

- All or some of the symptoms above.
- Elevated temperature.
- Vomiting.
- Hypotension.
- Diaphoresis.
- Tachycardia.
- Tachypnea.

HEAT STROKE (Uncompensated)

- All or some of the symptoms above.
- Hyperthermia.
- ALOC or other signs of central nervous system dysfunction.
- Absence or decreased sweating.
- Tachycardia.

- Hypotension.

HEAT EXHAUSTION/ HEAT STROKE

- Dehydration.
- Elevated temperature, vomiting, hypotension, diaphoresis, tachycardia and tachypnea.
- No change in LOC.

II. BLS INTERVENTIONS

- Remove patient from heat source, position with legs elevated and begin cooling measures.
- Oxygen as clinically indicated.
- Rehydrate with small amounts of appropriate liquids as tolerated. Do not give liquids if altered level of consciousness.
- If patient has signs of Heat Stroke, begin rapid cooling measures including cold packs placed adjacent to large superficial vessels.
- Evaporative cooling measures.

III. LIMITED ALS INTERVENTIONS

- Obtain vascular access.
 - ADULT
 - Fluid bolus with 500 cc NS. Reassess and repeat fluid bolus if continued signs of inadequate tissue perfusion.
 - PEDIATRIC
 - Patients less than nine (9) years of age: Initial 20 cc/kg IV bolus; reassess and repeat fluid bolus if continued signs of inadequate tissue perfusion.
- If clinically indicated, obtain blood glucose. If hypoglycemic administer:
 - ADULT/PEDIATRIC
 - Dextrose per ICEMA Reference #7040 - Medication - Standard Orders.

- Glucagon per ICEMA Reference #7040 - Medication - Standard Orders.
- Seizure precautions, refer to ICEMA Reference #11080 - Altered Level of Consciousness/Seizures - Adult.
- Contact base hospital for destination and further treatment orders.

IV. ALS INTERVENTIONS

- Obtain vascular access.
 - ADULT
 - Fluid bolus with 500 cc NS. May repeat fluid bolus if continued signs of inadequate tissue perfusion.
 - PEDIATRIC
 - Patients less than nine (9) years of age: Initial 20 cc/kg IV/IO bolus; reassess and repeat fluid bolus if continued signs of inadequate tissue perfusion.
- If clinically indicated, obtain blood glucose. If hypoglycemic administer:
 - ADULT/PEDIATRIC
 - Dextrose per ICEMA Reference #7040 - Medication - Standard Orders.
 - Glucagon per ICEMA Reference #7040 - Medication - Standard Orders.
- Base hospital may order additional medication dosages and additional fluid boluses.
- Obtain rhythm strip for documentation with copy to receiving hospital.
- For tonic/clonic type seizure activity administer:
 - ADULT/PEDIATRIC
 - Midazolam per ICEMA Reference #7040 - Medication - Standard Orders.

V. REFERENCES

<u>Number</u>	<u>Name</u>
7040	Medication - Standard Orders
11080	Altered Level of Consciousness/Seizures - Adult